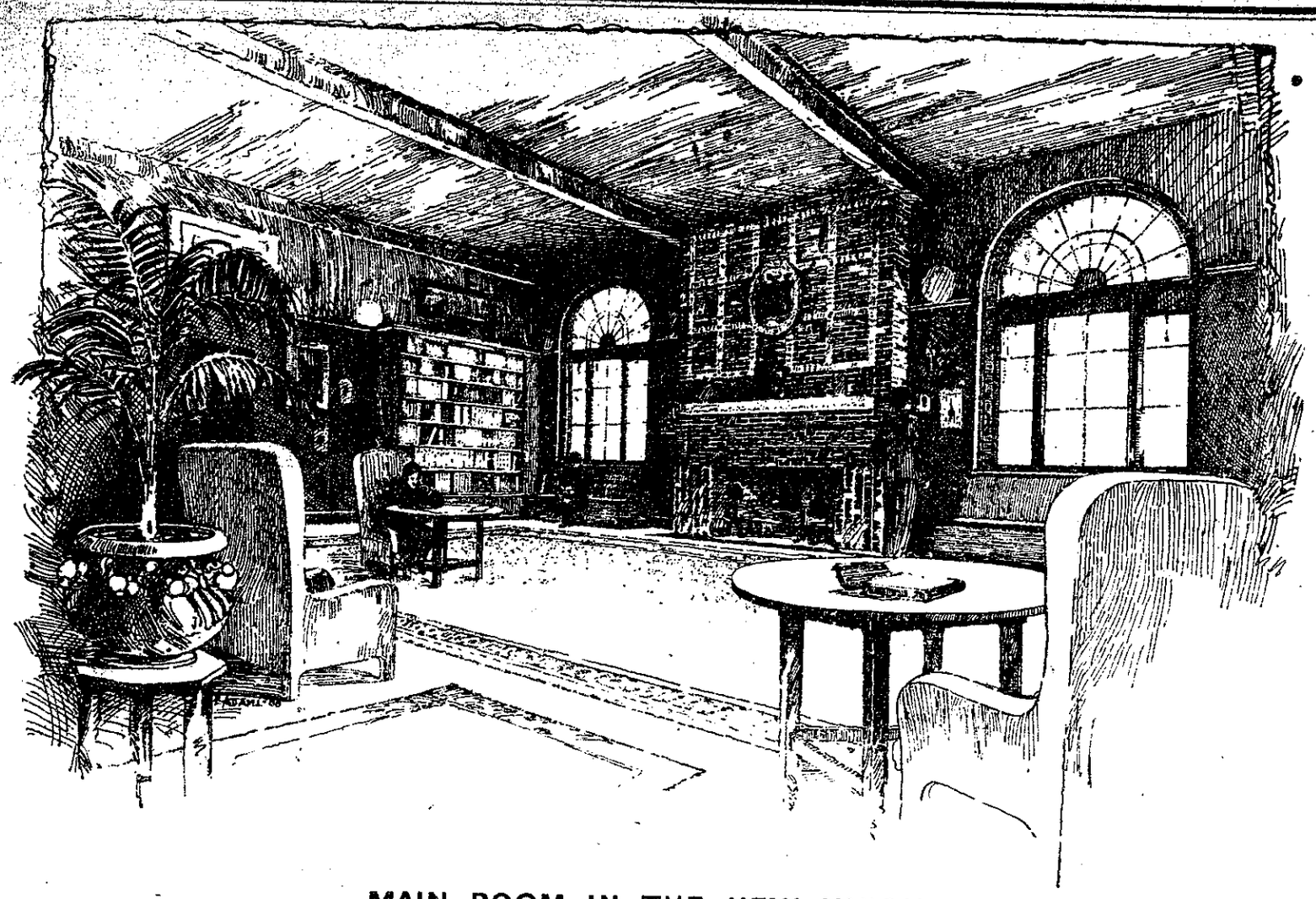

MAIN ROOM IN THE NEW UNION.

THE NEW TECH UNION DINING ROOM IS NOW OPEN

EAT YOUR MEALS AT THE UNION

(Continued from page 1.)

room. Parallel with the walls separating it from the kitchen and to the left of the cashier, is a lunch counter equipped with a steam table and coffee urns.

Those having time will be served by student waiters. Students who are in a hurry or prefer the other syle of lunch can go to the lunch counter where they can be served at once, the food to be eaten at nearby tables. The food served at the lunch counter will never be the same as that served from the kitchen. To simplify the method of payment and checking food the waiters will be paid in checks or money when the food is ordered. On his way to the kitchen the waiter makes payment to the cashier and receives a voucher for the amount paid in. After taking up his order from the kitchen he hands his voucher to the cashier in passing, who inspects the food he is taking out. This process makes no delay in the delivery of food and gives a satisfactory check. At the lunch counter checks or money are taken by the attendant, the amount of the checks and cash being checked here by the amount of food sold.

It is the aim of the management to give the best food and table service that can be had in Boston for the money. The food will be well-cooked and of the best quality rather than of a wide variety. The system of selling books of food tickets of one cent value now used at the commons of other colleges will be introduced. Despite the fact that the prices will be as low as can be had anywhere in the vicinity, meal books will be sold at a discount of about ten per cent.

On the second floor are located the club and committee rooms. From the hall in engineering C building one enters a lobby, on the left of which is the Cage formerly located in Rogers.

The need for a suitable Union has long been agitated, but has heretofore been thought impossible of fulfilment on account of existing conditions. Matters came to a head last year, when the board of editors of The Tech presented a petition to the faculty and corporation, asking for the use of Copley Hall for social purposes. Immediately, resolutions were passed by every student body and activity in the Institute, endorsing The Tech's stand.

As this was impracticable the corporation, appreciating the stand of the students, appropriated for the erection of a new building a sum of money which was later augmented by gifts of friends of the Institute. Ground was broken the first of July.

Technique 1909, in speaking of a new Union says,—

"With small enrollment in early years the social clubs, fraternities, and the like filled the needs of the student body, but with the great increase of students, the exclusiveness atendant to membership, and the cost, made these closed organizations inadequate to solve the social problems of college life.

"The agitation for a popular gathering place has in great part come from the alumni, they, perhaps, realizing the need more fully than the undergraduates or the faculty."

FIVE YEAR COURSES

(Continued from page 1.)

lege is designed to supply, but it does this by the methods of the scientific school with special emphasis upon general scientific studies. Graduates of one of these courses will receive a second degree in the department of general science.

Five-year courses for those not wishing additional requirements have been prepared in civil, mechanical and electrical engineering, and similar schedules will be arranged for individual students in the other branches of engineering.

Secretary Tyler wrote in the last number of the Technology Review: "It has been stated that the new plan is designed to attract students who wish to complete the work of two professional departments of or those who wish to combine with the professional work of one department a larger proportion of general studies. While neither of these tendencies is likely to become very general in the immediate future, both of them are deemed by the Faculty worthy of encouragement. Many a man finds after graduation that personal circumstances, or industrial changes, or the increasing interdependence of different forms of engineering render it highly advantageous for him to have a wider range of professional training than can be included in a single course. Thus a mechanical engineer may need more electricity, a mining engineer more geology, or a naval architect more mechanical enginering.

In the face of continually increasing professional demands the Faculty of the Institute has resolutely adhered to the policy of making its degree represent a broad and thorough general scientific education, with a moderate proportion of technical studies not too highly specialized. All regular students receive instruction in English composition and literature, history, economics, and modern languages, so that the Institute graduate has had a broader education in those academic studies, not to mention the fundamental sciences,—mathematics, physics and chemistry,—than may be required of candidates for the bachelor's degree in colleges where the principle of free election is dominant.

Power Plant Changes

Extensive alterations in the power plants of the Institute, made possible partly by the removal of the former Tech lunch room, are nearing completion. The old boiler plant and carpenter shop in the rear of engineering A on Trinity Place has been entirely remodelled, and part of the Copley Hall building on Clarendon street, which is owned by the Institute, has been arranged to allow for the better handling of fuel.

In the old boiler building were four 60-inch horizontal boilers capable -of

(Continued on page 4.)

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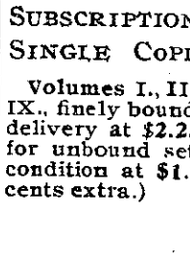
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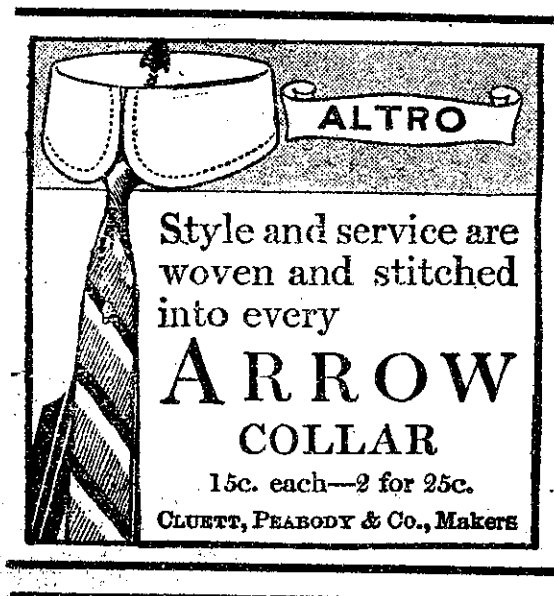

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(Continued from page 3.)

generating 100 horse power each. One of these has been reset during the summer in the power plant of Lowell, south of the old boiler plant. The carpenter shop, originally on the second floor of the latter building, has been moved into the old boiler room. On the ground floor the old pipe shop has been lowered four feet to bring it on a level with the Lowell power plant and has been cleaned out to make room for two 250 horsepower water tube boilers, each capable of maintaining 250 pounds pressure. Facilities for a new pipe shop have been provided in the southwest end of the Copley Hall building.

The office of the chief engineer has been removed to Lowell building in a position overlooking both boiler plants. An old smoke stack behind engineering A has been removed and all present boilers will connect with a large stack near the electrical engineering building.

A tunnel fourteen feet wide, connecting the two boiler rooms, has been constructed and at a point midway between the boilers a turn table has been set. From this point a second tunnel six feet wide extends into the basement of Copley Hall, where the coal will be taken in from Clarendon street. The coal will be conveyed as needed in one-ton cars to the boiler rooms, where it will be fired to the boilers directly from the cars.

In the basement of the Pierce building about two-thirds of the old Tech lunch room, which was recently removed, has been added to the laboratory space of the mechanical engineering department. The recently acquired 500 kilowatt Parsons turbine with generator shaft and bearings has been installed in the room. It is to run in connection with the large superheater purchased last year, steam being furnished at 200 pounds pressure and 150 degrees of superheat. The turbine is fitted with a hydraulic brake instead of a generator, though it is so arranged that a generator can be added. At present the Institute is not able to obtain the generator so that the water brake will be used. This will absorb the load and measure the pressure supplied, enabling careful experiments in efficiency to be made.

This Parsons turbine, which is considered the most important addition in recent years to the mechanical engineering department, was manufactured and furnished by the Westinghouse company, who made the Institute a liberal donation, the difference being kindly furnished by members of the visiting committee of the department.

Faculty Changes

Several changes in the instructing staff, taking effect with the opening of the school year, have been made. From the chemical department the following leave the Institute to enter technical positions: W. W. Kennedy, F. B. Shields, H. W. Mahr, and C. R. Braggdon. Messrs. R. D. Gale and G. F. White will devote their full time to advanced work for a higher degree, the latter at Johns Hopkins. C. L. Peabody will be transferred from the analytical laboratory to that of technical analysis, G. L. Nicker on from inorganic to analytical chemistry, Dr. E. B. Spear from analytical to inorganic, R. G. Woodbridge, Jr., from organic to analytical. The new assistants are C. W. Clark, industrial chemistry; H. S. Chandler, organic chemistry; W. H. Toppan and A. B. Babcock, theoretical chemistry. Dr. W. R. Whitney has been appointed non-resident professor of chemical research.

Waldemar Lindgren, of the United States geological survey, has been appointed lecturer in economic geology, to succeed Professor Kemp. Dr. H. W. Shimer has been appointed assistant professor of paleontology, and C. H. Clapp instructor in geology. Allen French, 1892, after a year of satisfactory work in the English department, has resigned to teach at Harvard. He will be succeeded by Sidney Gunn of Dalhousie and Harvard.

NOTICES.

MANDOLIN CLUB—Meeting of members Saturday at 1 P.M. in Social Room of New Union for election of new leader. Coleman will not be back.

NOTICE:—Candidates for the 1911 football team will report to Manager Williams at the Oval, Wednesday at 4 o'clock. Come prepared for scrimmaging.

1911 Relay Team:—Meets at Union to elect captain, Saturday 1.00 P. M. Members of last year's team and subs eligible to vote.

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